Learning to Fly: The Wright Brother's Adventure			
2006 Mathematics			
Grade Level and Grade Span Expectations			
New Hampshire Mathematics			
Grade 6			
Activity/Lesson	State	Standards	
1902: Success at Last	NH	MA.6.M:N&O:6:4	Accurately solves problems involving single or multiple operations on fractions (proper, improper, and mixed), or decimals; and addition or subtraction of integers; percent of a whole; or problems involving greatest common factor or least common multiple.
1902: Success at Last	NH	MA.6.M:N&O:6:6	Uses a variety of mental computation strategies to solve problems (e.g., using compatible numbers, applying properties of operations, using mental imagery, using patterns) and to determine the reasonableness of answers; and mentally calculates change back from $5.00, $10.00, $20.00, $50.00, and $100.00; multiplies a two-digit whole number by a one-digit number whole number (e.g., 45 x 5), two-digit whole numbers that are multiples of ten (e.g., 50 x 60), a three-digit whole number that is a multiple of 100 by a two- or three-digit number which is a multiple of 10 or 100, respectively (e.g., 400 x 50, 400 x 600); divides 3- and 4-digit multiples of powers of ten by their compatible factors (e.g., 360 ÷ 6; 360 ÷ 60; 3600 ÷ 6; 3600 ÷ 60; 3600 ÷ 600; 360 ÷ 12; 360 ÷ 120; 3600 ÷ 12; 3600 ÷ 120; 3600 ÷ 1200); and determines the part of a whole number using benchmark percents (1%, 10%, 25%, 50%, and 75%).

Activity/Lesson	State	Standards	
1903: Powered Flight	NH	MA.6.M:N&O:6 :6	Uses a variety of mental computation strategies to solve problems (e.g., using compatible numbers, applying properties of operations, using mental imagery, using patterns) and to determine the reasonableness of answers; and mentally calculates change back from $5.00, $10.00, $20.00, $50.00, and $100.00; multiplies a two-digit whole number by a one-digit number whole number (e.g., 45 x 5), two-digit whole numbers that are multiples of ten (e.g., 50 x 60), a three-digit whole number that is a multiple of 100 by a two- or three-digit number which is a multiple of 10 or 100, respectively (e.g., 400 x 50, 400 x 600); divides 3- and 4-digit multiples of powers of ten by their compatible factors (e.g., $360 \div 6$; $360 \div 60$; $3600 \div 6$; $3600 \div 60$; $3600 \div 600$; $360 \div 12$; $360 \div 120$; $3600 \div 12$; $3600 \div 120$; $3600 \div 1200$); and determines the part of a whole number using benchmark percents (1%, 10%, 25%, 50%, and 75%).
1903: Powered Flight	NH	MA.6.M:G&M:6 :7	Measures and uses units of measures appropriately and consistently, and makes conversions within systems when solving problems across the content strands.
Learning to Fly: The Wright Brother's Adventure			
2006 Mathematics			
Grade Level and Grade Span Expectations			
New Hampshire Mathematics			
Grade 7			
Activity/Lesson	**State**	**Standards**	
1902: Success at Last	NH	MA.7.M:N&O:7 :6	Uses a variety of mental computation strategies to solve problems (e.g., using compatible numbers, applying properties of operations, using mental imagery, using patterns) and to determine the reasonableness of answers; and mentally calculates benchmark perfect squares and related square roots (e.g., 1^2, 2^2 … 12^2, 15^2, 20^2, 25^2, 100^2, 1000^2); determines the part of a number using benchmark percents and related fractions (1%, 10%, 25%, 33 1/3%, 50%, 66 2/3%, 75%, and 100%) (e.g., 25% of 16; 33 1/3% of 330).